



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 10881285
SAU: Lewiston School Department
School: Lewiston Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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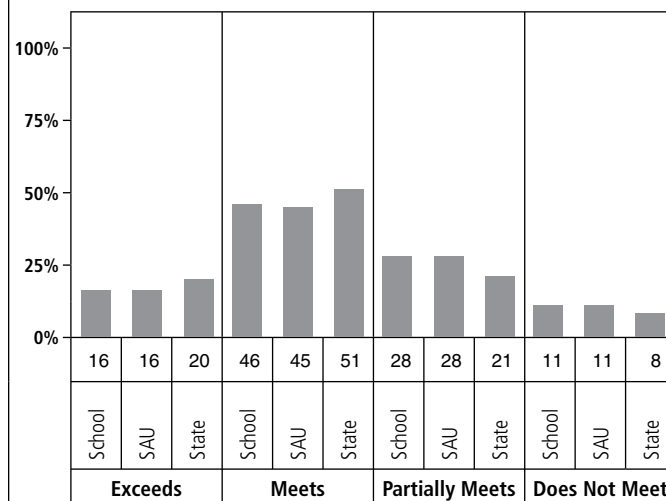
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

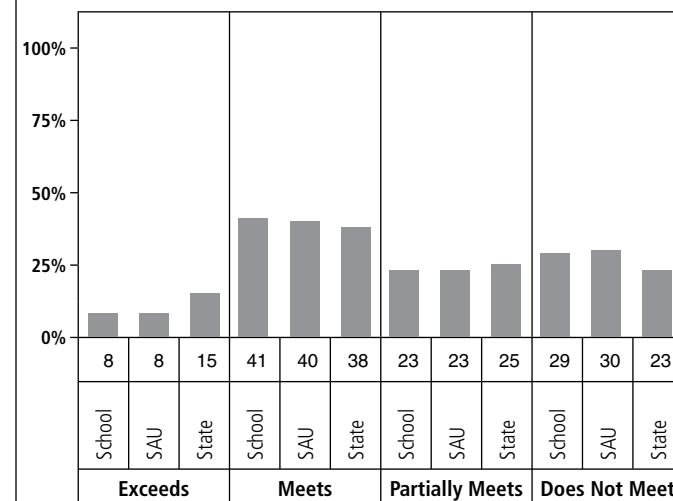
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	847	846	847
2007–2008	847	846	849
2008–2009	847	847	850
Cum. Avg.*	847	846	849
Mathematics			
2006–2007	839	838	842
2007–2008	834	833	841
2008–2009	838	837	843
Cum. Avg.*	837	836	842
Science			
2008–2009 **	840	840	846

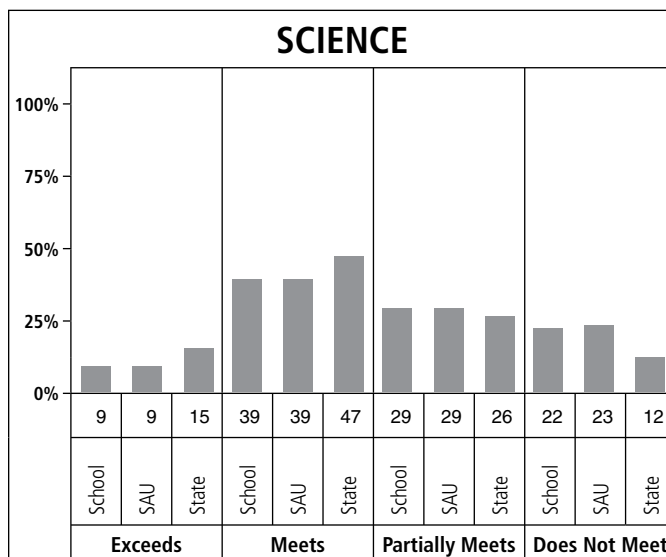
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
							School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	334	100	339	100	14804	100	332	99	337	99	14659	99	333	100	338	100	14653	99	331	99	336	99	14626	99
Ethnicity African American/Black	84	25	84	25	377	3	83	99	83	99	366	97	84	100	84	100	371	98	82	98	82	98	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	4	1	5	1	238	2	4	100	5	100	232	97	4	100	5	100	234	98	4	100	5	100	234	98
Hispanic	7	2	7	2	192	1	7	100	7	100	188	98	7	100	7	100	191	100	7	100	7	100	190	99
Caucasian/White	239	72	243	72	13878	94	238	100	242	100	13756	99	238	100	242	100	13742	99	238	100	242	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	43	13	48	14	2489	17	41	95	46	96	2434	99	42	98	47	98	2424	98	40	93	45	94	2418	98
Current LEP	64	19	64	19	349	2	63	98	63	98	331	95	64	100	64	100	342	98	62	97	62	97	338	97
Economically disadvantaged	202	60	206	61	5460	37	200	99	204	99	5380	99	201	100	205	100	5377	99	199	99	203	99	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	253	76	254	75	12132	82	253	76	254	75	12124	82	253	76	254	75	12169	82
Identified disability (PET/IEP)	6	2	7	3	379	3	6	2	7	3	380	3	6	2	7	3	425	3
LEP	18	7	18	7	166	1	18	7	18	7	169	1	18	7	18	7	168	1
504 plan	2	1	2	1	200	2	2	1	2	1	200	2	2	1	2	1	202	2
Participation with accommodations	74	22	78	23	2349	16	74	22	78	23	2347	16	74	22	78	23	2288	15
Identified disability (PET/IEP)	30	41	34	44	1877	80	30	41	34	44	1862	79	30	41	34	44	1824	80
LEP	43	58	43	55	158	7	43	58	43	55	167	7	43	58	43	55	165	7
504 plan	1	1	1	1	70	3	1	1	1	1	70	3	1	1	1	1	66	3
Other	1	1	1	1	292	12	1	1	1	1	297	13	1	1	1	1	280	12
Participation through alternate assessment (PAAP)	5	1	5	1	178	1	6	2	6	2	182	1	4	1	4	1	169	1
Identified disability (PET/IEP)	5	100	5	100	178	100	6	100	6	100	182	100	4	100	4	100	169	100
LEP	2	40	2	40	7	4	3	50	3	50	6	3	1	25	1	25	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	2	1	2	1	113	1	1	0	1	0	117	1	3	1	3	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	56	16	56	16	2407	16
	2007-2008	78	23	78	22	3428	23
	2008-2009	53	16	53	16	2857	20
	Cum. Total*	187	18	187	18	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	172	49	172	48	7494	49
	2007-2008	142	42	143	41	7179	48
	2008-2009	149	46	151	45	7431	51
	Cum. Total*	463	45	466	45	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	78	22	81	22	3628	24
	2007-2008	49	14	51	15	2706	18
	2008-2009	90	28	92	28	2979	21
	Cum. Total*	217	21	224	21	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	48	14	52	14	1810	12
	2007-2008	73	21	77	22	1611	11
	2008-2009	35	11	36	11	1214	8
	Cum. Total*	156	15	165	16	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	33.7	60.2	33.6	60.0	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.1	60.5	12.0	60.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	21.6	60.0	21.6	60.0	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Lewiston School Department
 School: Lewiston Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	327	53	16	149	46	90	28	35	11	847	332	16	45	28	11	847	14481	20	51	21	8	850
Ethnicity																						
African American/Black	81	5	6	27	33	30	37	19	23	841	81	6	33	37	23	841	362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	4										5	0	60	40	0	846	231	28	43	19	10	851
Hispanic	7	1	14	2	29	4	57	0	0	845	7	14	29	57	0	845	186	17	48	23	12	847
Caucasian/White	235	47	20	118	50	54	23	16	7	850	239	20	50	23	7	850	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	36	0	0	8	22	18	50	10	28	835	41	0	24	49	27	835	2256	2	25	40	34	834
No	291	53	18	141	48	72	25	25	9	849	291	18	48	25	9	849	12225	23	56	17	4	853
Current LEP																						
Yes	61	4	7	17	28	21	34	19	31	838	61	7	28	34	31	838	324	5	34	36	26	838
No	266	49	18	132	50	69	26	16	6	850	271	18	49	26	6	849	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	195	18	9	74	38	71	36	32	16	843	199	9	38	37	17	843	5277	10	46	29	15	844
No	132	35	27	75	57	19	14	3	2	854	133	26	57	14	2	854	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	327	53	16	149	46	90	28	35	11	847	332	16	45	28	11	847	14476	20	51	21	8	850
Gender																						
Female	162	31	19	76	47	38	23	17	10	849	163	19	47	24	10	849	7074	25	51	18	6	852
Male	165	22	13	73	44	52	32	18	11	846	169	13	44	31	11	846	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	73	4	5	29	40	34	47	6	8	843	73	5	40	47	8	843	857	9	43	35	14	843
No	254	49	19	120	47	56	22	29	11	849	259	19	47	22	12	848	13624	20	52	20	8	850
Gifted/talented program																						
Yes	31	21	68	9	29	1	3	0	0	866	31	68	29	3	0	866	700	69	30	1	0	867
No	296	32	11	140	47	89	30	35	12	845	301	11	47	30	12	845	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	2	8	8	33	9	38	5	21	842	8	8	31	42	19	841	8	8	39	29	24	841
B. less than one hour	51	23	14	87	52	44	26	14	8	848	52	13	52	26	9	847	51	17	53	22	8	849
C. one to two hours	33	21	20	49	46	26	24	11	10	849	32	20	46	24	10	849	36	24	52	18	5	852
D. more than two hours	9	7	25	5	18	11	39	5	18	845	8	25	18	39	18	845	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	37	27	23	55	46	29	24	9	8	850	37	22	46	25	7	850	31	35	50	11	4	856
B. good	47	23	15	75	48	39	25	18	12	847	47	15	48	25	12	847	47	16	55	21	7	849
C. fair	14	3	7	17	38	17	38	8	18	842	14	7	39	37	17	842	18	5	47	33	15	842
D. poor	2	0	0	2	29	5	71	0	0	840	2	0	29	71	0	840	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	43	30	21	79	56	26	18	6	4	851	43	21	56	19	5	851	32	27	54	14	5	853
B. They match some of what I have learned.	47	22	14	64	42	49	32	18	12	846	46	14	42	32	12	846	52	18	53	22	8	850
C. They match just a little of what I have learned.	7	1	4	4	17	9	39	9	39	835	7	4	17	39	39	835	12	11	45	29	15	844
D. There is no match.	3	0	0	2	20	6	60	2	20	837	3	0	27	55	18	837	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	17	2	4	12	22	25	46	15	28	838	17	4	22	45	29	837	15	13	42	28	17	844
B. about the same as my regular schoolwork	72	42	18	118	50	58	25	16	7	849	71	18	50	25	7	849	64	19	53	20	7	850
C. easier than my regular schoolwork	12	9	23	19	49	7	18	4	10	850	12	22	49	20	10	849	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	11	0	0	5	14	16	43	16	43	832	12	0	13	45	42	832	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	53	19	11	87	51	48	28	18	10	846	53	11	51	28	10	846	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	35	32	28	55	49	25	22	1	1	854	35	28	48	22	2	853	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	50	22	14	68	42	48	30	24	15	845	50	13	42	30	15	844	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	47	30	20	75	50	36	24	10	7	851	46	20	50	24	7	851	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	3	1	9	6	55	3	27	1	9	845	4	8	54	31	8	845	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	22	19	27	28	39	18	25	6	8	850	22	26	40	26	8	850	19	26	53	15	6	853
B. 20 minutes to an hour	51	28	17	77	47	40	24	20	12	848	50	17	47	24	12	848	40	25	52	17	6	852
C. less than 20 minutes	7	2	8	11	46	7	29	4	17	844	7	8	46	29	17	844	15	18	51	21	10	849
D. I rarely read at home.	20	4	6	32	48	25	38	5	8	844	21	6	48	38	9	844	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	48	29	18	76	48	31	20	21	13	848	48	18	48	20	14	848	42	27	51	15	6	853
B. agree	46	22	15	66	44	49	33	12	8	848	46	15	44	33	8	848	50	15	53	23	9	848
C. disagree	5	1	7	6	40	6	40	2	13	843	5	7	40	40	13	843	7	8	46	32	14	843
D. strongly disagree	2	1	20	0	0	4	80	0	0	841	2	20	0	80	0	841	2	6	39	35	21	840
Optional school/SAU question																						
A.	47	0	0	1	14	1	14	5	71	830	47	0	14	14	71	830						
B.	40	0	0	1	17	3	50	2	33	832	40	0	17	50	33	832						
C.	7	0	0	1	100	0	0	0	0	852	7	0	100	0	0	852						
D.	7	0	0	0	0	1	100	0	0	838	7	0	0	100	0	838						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

MATHEMATICS RESULTS

Test Date:	March 2009
Grade:	8
SAU:	Lewiston School Department
School:	Lewiston Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	27	8	27	7	1952	13
	2007-2008	18	5	18	5	1657	11
	2008-2009	25	8	25	8	2116	15
	Cum. Total*	70	7	70	7	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	133	38	133	37	5870	38
	2007-2008	116	34	117	33	5956	40
	2008-2009	134	41	134	40	5443	38
	Cum. Total*	383	37	384	37	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	103	29	104	29	3982	26
	2007-2008	72	21	72	21	3729	25
	2008-2009	74	23	75	23	3556	25
	Cum. Total*	249	24	251	24	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	91	26	97	27	3534	23
	2007-2008	138	40	144	41	3579	24
	2008-2009	94	29	98	30	3356	23
	Cum. Total*	323	32	339	32	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	25.9	46.3	25.7	45.9	28.6	51.1
A. Number	8	14	3.7	46.3	3.7	46.3	3.7	46.3
B. Data	16	29	7.9	49.4	7.8	48.8	8.9	55.6
C. Geometry	12	21	5.0	41.7	5.0	41.7	5.0	41.7
D. Algebra	20	36	9.3	46.5	9.2	46.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Lewiston School Department
 School: Lewiston Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	327	25	8	134	41	74	23	94	29	838	332	8	40	23	30	837	14471	15	38	25	23	843
Ethnicity																						
African American/Black	81	3	4	16	20	15	19	47	58	824	81	4	20	19	58	824	367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	4										5	20	40	40	0	848	233	27	33	20	21	847
Hispanic	7	0	0	3	43	2	29	2	29	840	7	0	43	29	29	840	190	8	31	26	34	836
Caucasian/White	235	21	9	113	48	56	24	45	19	842	239	9	47	23	21	842	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	36	1	3	2	6	11	31	22	61	822	41	2	5	29	63	821	2242	2	12	22	63	824
No	291	24	8	132	45	63	22	72	25	840	291	8	45	22	25	840	12229	17	42	25	16	846
Current LEP																						
Yes	61	1	2	7	11	11	18	42	69	819	61	2	11	18	69	819	336	6	18	26	51	829
No	266	24	9	127	48	63	24	52	20	842	271	9	47	24	21	841	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	195	11	6	57	29	44	23	83	43	831	199	6	29	23	43	831	5270	6	30	28	36	835
No	132	14	11	77	58	30	23	11	8	847	133	11	58	23	9	847	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	327	25	8	134	41	74	23	94	29	838	332	8	40	23	30	837	14466	15	38	25	23	843
Gender																						
Female	162	16	10	61	38	42	26	43	27	838	163	10	37	26	27	838	7070	15	39	25	22	843
Male	165	9	5	73	44	32	19	51	31	837	169	5	43	20	32	837	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	73	0	0	22	30	26	36	25	34	834	73	0	30	36	34	834	857	5	25	33	37	835
No	254	25	10	112	44	48	19	69	27	839	259	10	43	19	28	838	13614	15	38	24	22	843
Gifted/talented program																						
Yes	31	12	39	17	55	2	6	0	0	860	31	39	55	6	0	860	700	68	27	3	1	866
No	296	13	4	117	40	72	24	94	32	836	301	4	39	24	33	835	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	2	8	7	29	7	29	8	33	833	8	8	27	27	38	831	8	8	24	24	44	833
B. less than one hour	51	7	4	79	47	42	25	40	24	839	52	4	46	25	25	838	51	12	38	26	23	842
C. one to two hours	33	14	13	40	37	22	21	31	29	840	32	13	37	21	29	840	36	19	40	23	19	845
D. more than two hours	9	2	7	8	29	3	11	15	54	828	8	7	29	11	54	828	5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	20	23	41	48	9	10	16	19	846	27	22	46	11	20	845	28	33	41	15	11	852
B. good	40	4	3	60	46	32	25	34	26	838	40	3	46	24	27	837	45	11	43	25	21	842
C. fair	26	1	1	26	31	26	31	31	37	833	26	1	31	31	37	833	21	3	27	35	35	834
D. poor	7	0	0	5	23	4	18	13	59	825	7	0	22	17	61	823	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	28	14	15	44	47	17	18	18	19	844	28	15	47	19	19	844	28	23	41	21	15	848
B. They match some of what I have learned.	52	8	5	74	44	43	25	44	26	839	51	5	44	25	26	839	52	13	40	25	21	843
C. They match just a little of what I have learned.	15	2	4	16	32	13	26	19	38	831	16	4	31	25	40	830	16	8	28	30	34	836
D. There is no match.	5	1	7	0	0	1	7	13	87	815	5	6	0	6	88	814	4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	36	4	3	39	34	27	23	45	39	832	36	3	33	23	41	831	32	6	34	29	32	837
B. about the same as my regular schoolwork	54	14	8	78	45	42	24	40	23	840	53	8	45	24	23	840	52	13	41	25	20	843
C. easier than my regular schoolwork	11	7	21	17	50	4	12	6	18	848	11	20	49	14	17	848	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	48	8	5	64	41	34	22	52	33	835	48	5	40	22	34	835	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	46	15	10	66	43	35	23	36	24	841	46	10	43	23	24	841	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	5	2	12	4	24	5	29	6	35	833	5	11	22	28	39	832	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	50	11	7	74	45	40	25	38	23	840	49	7	45	25	23	840	34	18	40	22	20	845
B. two or three days a week	31	10	10	39	39	29	29	22	22	840	31	10	38	28	24	839	35	14	38	26	21	843
C. two or three times each month	6	2	10	9	43	3	14	7	33	839	7	9	41	18	32	839	18	12	37	27	24	841
D. never or almost never	13	2	5	12	28	2	5	27	63	824	14	4	27	4	64	823	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	5	0	0	5	29	3	18	9	53	822	5	0	28	17	56	821	9	13	38	23	26	841
B. two or three days a week	21	3	4	27	40	13	19	24	36	835	20	4	40	19	36	835	17	11	37	26	26	841
C. two or three times each month	38	7	6	50	41	38	31	28	23	839	37	6	41	31	23	839	28	15	40	25	20	844
D. never or almost never	37	15	13	52	44	19	16	33	28	840	37	12	42	16	29	839	46	16	36	24	23	843
How do you feel about the following statement?																						
"My knowledge of mathematics will be useful to me as an adult."																						
A. strongly agree	53	16	9	78	45	32	18	47	27	839	53	9	44	19	28	839	52	19	41	22	18	846
B. agree	39	9	7	48	38	34	27	36	28	838	39	7	38	27	29	837	39	11	35	27	27	840
C. disagree	5	0	0	6	38	4	25	6	38	834	5	0	35	24	41	832	6	7	28	26	39	835
D. strongly disagree	3	0	0	2	18	4	36	5	45	827	3	0	18	36	45	827	3	4	25	28	43	832
Optional school/SAU question																						
A.	47	1	14	1	14	0	0	5	71	819	47	14	14	0	71	819						
B.	40	0	0	1	17	1	17	4	67	815	40	0	17	17	67	815						
C.	7	0	0	1	100	0	0	0	0	850	7	0	100	0	0	850						
D.	7	0	0	0	0	1	100	0	0	836	7	0	0	100	0	836						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	31	9	31	9	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	128	39	128	39	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	96	29	97	29	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	72	22	76	23	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	28.3	50.5	28.2	50.4	32.0	57.1
D. The Physical Setting	31	55	15.5	50.0	15.4	49.7	17.1	55.2
D1/D2 Earth/Space	17	30	8.7	51.2	8.6	50.6	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	6.8	48.6	6.8	48.6	7.7	55.0
E. The Living Environment	25	45	12.8	51.2	12.7	50.8	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Lewiston School Department
 School: Lewiston Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	327	31	9	128	39	96	29	72	22	840	332	9	39	29	23	840	14263	15	47	26	12	846
Ethnicity																						
African American/Black	81	0	0	19	23	23	28	39	48	828	81	0	23	28	48	828	360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	4										5	0	40	60	0	838	230	20	44	23	13	848
Hispanic	7	1	14	2	29	3	43	1	14	840	7	14	29	43	14	840	184	9	45	29	16	842
Caucasian/White	235	30	13	105	45	68	29	32	14	844	239	13	44	28	15	844	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	36	1	3	1	3	18	50	16	44	828	41	2	2	46	49	827	2221	3	22	36	38	832
No	291	30	10	127	44	78	27	56	19	842	291	10	44	27	19	842	12042	17	51	24	7	848
Current LEP																						
Yes	61	0	0	8	13	18	30	35	57	824	61	0	13	30	57	824	331	4	20	39	37	832
No	266	31	12	120	45	78	29	37	14	844	271	11	44	29	15	843	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	195	10	5	56	29	68	35	61	31	835	199	5	28	35	32	834	5184	6	40	33	21	840
No	132	21	16	72	55	28	21	11	8	848	133	16	54	21	9	848	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	327	31	9	128	39	96	29	72	22	840	332	9	39	29	23	840	14258	15	47	26	12	846
Gender																						
Female	162	13	8	62	38	56	35	31	19	839	163	8	38	34	20	839	6953	14	47	28	11	846
Male	165	18	11	66	40	40	24	41	25	841	169	11	39	24	26	841	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	73	0	0	25	34	33	45	15	21	836	73	0	34	45	21	836	828	5	35	40	20	839
No	254	31	12	103	41	63	25	57	22	841	259	12	40	25	24	841	13435	16	48	25	12	846
Gifted/talented program																						
Yes	31	17	55	13	42	1	3	0	0	862	31	55	42	3	0	862	699	65	34	2	0	865
No	296	14	5	115	39	95	32	72	24	838	301	5	38	32	25	837	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Lewiston School Department
School: Lewiston Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	1	4	6	25	6	25	11	46	834	8	4	23	23	50	833	8	8	34	28	30	837
B. less than one hour	51	11	7	78	46	48	29	31	18	841	52	6	46	29	19	841	51	14	48	27	11	846
C. one to two hours	33	17	16	35	33	37	35	18	17	842	32	16	33	35	17	842	36	19	48	24	9	848
D. more than two hours	9	2	7	9	32	5	18	12	43	833	8	7	32	18	43	833	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	20	19	29	25	38	7	11	14	22	848	21	28	37	10	25	847	23	27	47	17	8	851
B. good	43	9	6	64	46	38	27	29	21	840	43	6	45	27	21	840	53	15	50	26	10	847
C. fair	29	2	2	31	33	38	40	24	25	835	29	2	33	40	25	835	20	4	43	35	18	840
D. poor	8	1	4	8	32	11	44	5	20	837	8	4	32	44	20	837	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	28	17	19	36	40	28	31	10	11	846	28	18	39	30	12	845	26	20	49	23	9	849
B. They match some of what I have learned.	47	12	8	57	37	46	30	39	25	839	46	8	37	30	25	839	51	14	48	26	11	846
C. They match just a little of what I have learned.	22	2	3	32	45	20	28	17	24	838	23	3	43	28	27	837	18	13	44	28	15	844
D. There is no match.	3	0	0	3	27	2	18	6	55	828	3	0	27	18	55	828	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	35	6	5	40	35	33	29	34	30	836	36	5	34	29	32	835	32	13	45	28	14	844
B. about the same as my regular schoolwork	53	18	10	74	43	50	29	31	18	842	52	10	43	29	18	842	56	15	49	25	11	847
C. easier than my regular schoolwork	12	7	18	13	33	13	33	6	15	844	12	18	33	33	15	844	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	48	7	4	55	35	54	34	41	26	837	48	4	34	34	27	837	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	47	24	16	67	44	38	25	25	16	844	46	16	44	25	16	844	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	6	38	4	25	6	38	834	5	0	35	24	41	833	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	26	0	0	35	42	31	37	17	20	838	25	0	42	37	21	838	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	15	8	16	19	38	12	24	11	22	841	16	15	37	23	25	840	23	17	49	22	12	847
C. the course(s) described in B, plus physics	22	15	21	33	46	13	18	11	15	848	22	21	45	19	15	848	21	31	44	17	7	852
D. a life science and physical science class	37	8	7	41	34	40	33	31	26	837	37	7	34	33	26	837	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	27	17	19	40	45	13	15	18	20	845	27	19	44	16	21	845	27	23	47	20	10	849
B. agree	32	6	6	45	43	29	28	24	23	840	32	6	43	28	24	839	37	14	47	27	12	846
C. disagree	25	6	7	22	27	33	40	21	26	835	25	7	27	40	26	835	25	11	48	29	12	845
D. strongly disagree	16	2	4	21	41	20	39	8	16	840	16	4	40	38	19	839	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	33	16	15	41	38	23	21	27	25	842	33	15	38	22	26	842	31	22	46	22	10	849
B. agree	47	12	8	63	41	46	30	34	22	840	48	8	40	29	23	839	50	14	49	26	11	846
C. disagree	14	2	4	17	36	19	40	9	19	837	14	4	36	40	19	837	14	9	45	31	15	843
D. strongly disagree	6	1	6	7	39	8	44	2	11	841	5	6	39	44	11	841	5	3	38	34	25	837
Optional school/SAU question																						
A.	47	0	0	0	0	2	29	5	71	821	47	0	0	29	71	821						
B.	40	0	0	1	17	0	0	5	83	823	40	0	17	0	83	823						
C.	7	0	0	1	100	0	0	0	0	852	7	0	100	0	0	852						
D.	7	0	0	0	0	1	100	0	0	830	7	0	0	100	0	830						

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N = Number